## SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved.
Rudget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

Buuget Bureau	110. 12-11120.
30-045.	24146
5. LEASE DESIGNATION	AND SERIAL NO.

	<b>DEI</b> / III I I I I I I I I I I I I I I I I					om 077.650	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				SF-077652 6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
APPLICATION	FOR PERMIT	O DRILL, D	DEEPEN	1, OR PLUG E	SACK_	•	
a. TYPE OF WORK	LX	DEEPEN [		PLUG BA	l	7. UNIT AGREEMENT NAME	
b. TYPE OF WELL OIL GA WELL WF	S CIL X OTHER		SING		,re X	8. FARM OR LEASE NAME	
2. NAME OF OPERATOR						9. WELL NO.	
Southland R	oyalty Company					#7E	
P O. Drawe	r 570, Farmingt	on, NM 874	401			10. FIELD AND POOL, OR WILDCAT Basin Dakota	
P. O. Drawe 4. LOCATION OF WELL (Re At surface 1580 FSL &	port location clearly and	in accordance wit	th any Sta	te requirements.*)	Azto	Blanco Pictured Cliffs 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
TOOU TOLL &  At proposed prod. zone						Section 14, T31N, R12W	
14. DISTANCE IN MILES A	ND DIRECTION FROM NEA	REST TOWN OR POST	T OFFICE*			12. COUNTY OR PARISH 13. STATE	
	ly 4 miles NW o					San Juan New Mexic	
15. DISTANCE FROM PROPO LOCATION TO NEAREST	SED*		16. NO.	OF ACRES IN LEASE		OF ACRES ASSIGNED	
PROPERTY OR LEASE L (Also to nearest drig	INE, FT. O	70 <b>'</b>		2560		320/160 W/28006/139.	
IS. DISTANCE FROM PROPO TO NEAREST WELL, DI	OSED LOCATION*		19. PROI	POSED DEPTH	20. ROT.	TOTARY OR CABLE TOOLS	
OR APPLIED FOR, ON THE	S LEASE, FT. 5U	0'	<u> </u>	7500 <b>'</b>	1	ROTATY 22. APPROX. DATE WORK WILL START*	
1. ELEVATIONS (Show whe	ther DF, KT, GR, etc.)					March 15, 1980	
6298 GR	1	PROPOSED CASIN	NG AND	CEMENTING PROGR	AM		
	SIZE OF CASING	WEIGHT PER FO		SETTING DEPTH	1	QUANTITY OF CEMENT	
SIZE OF HOLE	9 5/8"	32.3		200'	110 S	acks	
12 1/4" 8 3/4"	7"	23#		5030'		acks (Stage One)	
0 3/ 4						acks (Stage Two)	
6 1/4" 6 1/4"	4 1/2" 4 1/2"	10.5		1880'-7000' 2000'-7500'	<sup>1</sup> 310 S	acks	
Top of Ojo Top of Mesa Fresh water Gas will be It is antic No abnormal It is expect on time rec Gas is dedi	pressures or eted that this quired for appropriated.  E PROPOSED PROGRAM: If drill or deepen direction	at 1340'. at 4320'. sed to dril from Inter GR-Inductio poisonous g well will b oval, rig a  proposal is to dee halls, give pertinen	mediaton and gases a de dril availaton or plate data or	GR-Density 10 are anticipate led before Audity and the	present pro	be run at Total Depth. his well. 1, 1980. This depends	
(This space for Fede	eral or State office use)	TI	ITLE DE	Strice mgale			
				APPROVAL DATE			
						DATE	
APPROVED BYCONDITIONS OF APPROV	VAL, IF ANY:	DENWA 49	54	ah Fruk		νοιτ.	
S CZIII.	· · · · · · · · · · · · · · · · · · ·	and the second of the second					
	· • •			NMOCC			

## OIL CONSERVATION DIVISION

# STATE OF NEW MEXICO LINERGY AND MINERALS DEPARTMENT

### P. O. BOX 7088 SANTA FE, NEW MEXICO 87501

Form C-102 keyised 10-1-78

All distances must be from the cuter houndaries of the Section

			Lease				Well No.
Cherator	ROYALTY COMPANY EAST			7-E			
Unit Letter	Section CONTRI	Township	Hange		County		
L	14	31N	121	W	San	Juan	/•
Actual Footage Loc			080			Tuto ==	
1580	1000 110111 1110	South line or	nd 970	feet f	from the	West	line edicated Acreage: 780.06
Ground Level Elev. 6298		/Pictured Clif	fs Basin	/Blanco A	-		320/160 (39/5 g
1. Outline th	e acreage dedica	ted to the subject	well by color	ed pencil or	hachure m	arks on the	plat below.
interest ar	2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).						
<ol><li>If more that dated by c</li></ol>	ommunitization, u	nitization, force-po	oling. etc?				ll owners been consoli-
Yes	No If an	iswer is "yes," type	of consolida	tion			
If answer	is "no," list the	owners and tract de	scriptions wh	ich have acti	ually been	consolidate	ed. (Use reverse side of
this form i	f necessary.)	ed to the well until	all interests h	nave been co	nsolidated	l (by commi	unitization, unitization,
forced-poo	ling, or otherwise)	or until a non-stand	ard unit, elim	inating such	interests,	has been a	pproved by the Commis-
sion.	<b>B</b> ,,			_			
					<del></del>		CERTIFICATION
	1						
	İ					-	tify that the information con-
	1		ť				n is true and complete to the
	1		1			best of my	ndwledge and belief.
	1					CCF	arons
	!		1			Name	_
h	+		<sub> </sub> -			Curtis C	. Parsons
	1		I				Engineer
	I		į			Company	
	i		!			Southlan	d Royalty Company
[]	1		i		1 1 1	Date	A 1070
		Sec.	i			December	4, 1979
H,SF	<del>-077652</del>	===-					
	i	14	] 			I hereby c	ertify that the well-location
	i		. 1				is plat was platted from field
	!		i				tual surveys made by me or
0701	1		i .	COLUMN TAR STORY			pervision, and that the same I correct to the best of my
970'	<b>j</b>		Company .		,	knowledge o	
					\		
					' \		
.0				0201979	St Creater	Date Surveye	STERED LANGT
			VILL	CON. COM.		Registered Pr	of ssional Englisher
	'  i			DIST. 3		and/or Land S	Surveyor T
				- Contraction			Kerr r.
						Certificat No	KERR, IR.
0 330 660	-90 1320 1650 198	0 2310 2640 2	000 1500	1000 500	, ,	3950	

## DRILLING SCHEDULE - EAST #7E

Location: 1580' FSL & 970' FWL, Section 14, T31N, R12W, San Juan County, New Mexico

Elevation: 6298' GR Basin Dakota/Blanco Pictured Cliffs Field:

#### Geology:

Tomas Orio Alamo	1340'	Point Lookout	5080 <b>'</b>
Formation Tops: Ojo Alamo	2345'	Gallup	6420 <b>'</b>
Fruitlard Pictured Cliffs	2785 <b>'</b>	Graneros	7195'
·	4320'	Dakota	7310 <b>'</b>
Cliff House *Intermediate TD	5030'	Total Depth	7500 <b>'</b>
~ III elileatate 10	2000	- · · · · · · · · · · · · · · · · · · ·	

\*INTERMEDIATE TO IS CRITICAL. DO NOT DRILL PAST 5030'. ACCURATE STRAP WILL BE NECESSARY. \*Intermediate TD

Logging Program: IES and GR-Density from Intermediate TD to surface casing.

GR-Induction and GR-Density from Total Depth to Intermediate TD.

Coring Program: None

Gauge well at TD. Also gauge any noticeable increases in gas. Natural Gauges:

Record all gauges in tour book and turn in on morning report.

#### Drilling:

Contractor:

Tool Pusher:

SRC Ans. Service:

325-1841

SRC Representative:

Dispatch Number:

325-7391

Mud Program: Fresh water mud from surface to Intermediate TD.

Gas from intermediate to Total Depth.

#### Materials:

Casing Program:	Hole Size	Depth	Casing Size	Wt. & Grade
Casing Hogiam.	12 1/4"	200'	9 5/8"	32.3# H-40
	8 3/4"	503 <b>0'</b> 4880'-7000'	7" 4 1/2"	23# K-55 10.5# K-55
	6 1/4" 6 1/4"	7000'-7500'	4 1/2"	11.6# K-55

## Float Equipment:

9-5/8" Surface Casing: Pathfinder type "A" guide shoe.

7" Intermediate Casing: Pathfinder type "A" guide shoe. Self-fill insert float

valve run 2 joints above shoe. 5 Pathfinder rigid stabilizers run every other joint above shoe. Run Dowell stage tool at 2990'. Run cement basket below and 5 Pathfinder

rigid stabilizers above tool.

4-1/2" Liner: Liner hanger with neoprene pack-off. Pathfinder type "AP" guide shoe and type "A" float collar.

Tubing:

Wellhead Equipment: 9 5/8" x 10", 2000# casing head with 7" casing hanger 10", 2000# x 6", 2000# tubing head and tree

DRILLING SCHED	JLE - EAST #7E
Cementing Prog	ram
9-5/8" surface	casing: 110 sacks (125 cu. ft.) of Class "B" with 1/4# gel flake per sack and 3% Ca Cl <sub>2</sub> . WOC 12 hours. Test to 600# prior to drilling out. (Volume is 100% excess.)
7" Intermediat	e casing: STAGE ONE: 110 sacks (160 cu. ft.) of 50/50 Class "B"  Poz with 6% gel (mixed with 7.2 gals water per sack).  (Volume is 50% excess to cover top of Cliff House.)
	STAGE TWO: 195 sacks (372 cu. ft.) of 50/50 Poz with 6% gel, followed by 70 sacks of Class "B" with 2% CaCl <sub>2</sub> . (Volume is 50% excess to cover top of Ojo Alamo)
4-1/2" Liner:	WOC and circulate between stages as required by well conditions. WOC 12 hours. Test to 1000 psi before drilling out.  310 sacks (457 cu. ft.) of 50/50 Poz with 6% gel, 1/4# gel flake per sack, 0.6% Halad 9 or equivalent. (70% excess)
	If hole gets wet and mist drilling is required, use 360 sacks (538 cu. ft.) for 100% excess.
	Precede cement with 20 barrels of gel water.
	L. O. Van Ryan

Date

BJM/ke



December 4, 1979

United States Geological Survey Mr. James Sims P. O. Box 959 Farmington, NM 87401

tive supervising these operations.

D

Dear	Sir:	
road:	Enclosed please find a map showing existing roads s to Southland Royalty Company's East #7E	and planned access well.
3~41	The locations of tank batteries and flow lines wi well. A burn pit will be provided for disposal o ling fluid and produced fluids will be put into th erly disposed of depending on amount and type of f	e reserve pit and
	There will be no camps or airstrips.	
rig,	Also, enclosed is a location layout showing appropits and pipe racks.	ximate location of
	Water supply will be Farmer's Ditch	•
stan	The location will be restored according to Bureau dards. This work will begin when all related cons	of Land Management truction is finished

Yours truly,

Mr. Ross Lankford will be Southland Royalty Company's field representa-

Curtis C. Parsons District Engineer

CCP/ke



December 4, 1979

United States Geological Survey Mr. James Sims P. O. Box 959 Farmington, NM 87401

RE: Blowout Preventer Plan

Dear Sir:

All drilling and completion rigs will be equipped with 6" or larger double hydraulic blowout preventers and a hydraulic closing unit with steel lines.

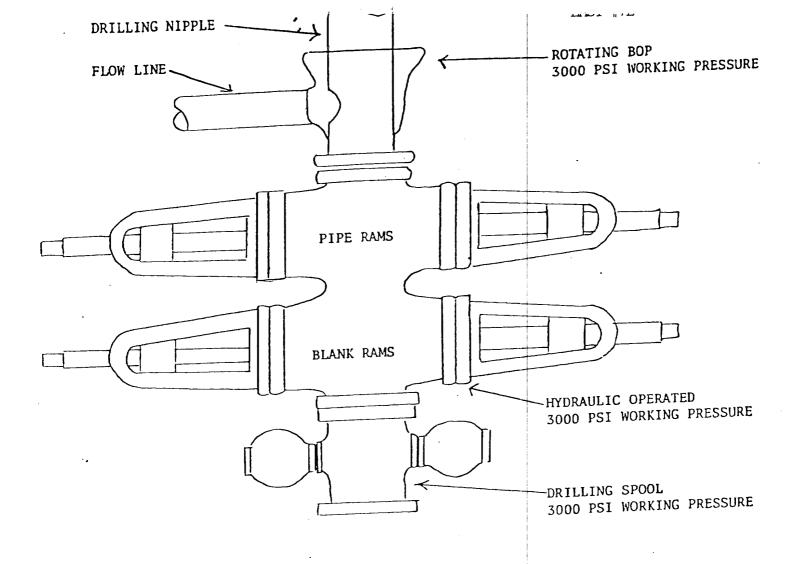
The preventer is 3000# working pressure and 6000# test pressure.

All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure proper operation.

Yours truly,

Curtis C. Parsons District Engineer

CCP/ke



PREVENTERS AND SPOOLS ARE TO HAVE THROUGH BORE OF 6" - 3000 PSI OR LARGER



United States Geological Survey Mr. James Sims P. O. Box 595 Farmington, NM 87401

Dear Sir:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Southland Royalty Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date: December 4, 1979

L. O. Van Ryan

District Production Manager

LOVR/ke

